



RAW SEQUENCE LISTING **ERROR REPORT**

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Application Serial Number: 09/208,6296
Source: 1680
Date Processed by STIC: 3/17/04

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<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
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Revised 10/08/03



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/208,629G

DATE: 03/17/2004

TIME: 15:54:21

Input Set : A:\22000-20603.10.txt

Output Set: N:\CRF4\03172004\I208629G.raw

4 <110> APPLICANT: COUGHLIN, Shaun R.
 5 ISHIHARA, Hiroaki
 6 CONNOLLY, Andrew
 8 <120> TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR 3 AND USES
 9 THEREOF
 11 <130> FILE REFERENCE: 220002060310
 13 <140> CURRENT APPLICATION NUMBER: US 09/208,629G
 14 <141> CURRENT FILING DATE: 1998-12-08
 16 <150> PRIOR APPLICATION NUMBER: US 08/742,440
 17 <151> PRIOR FILING DATE: 1996-10-30
 19 <160> NUMBER OF SEQ ID NOS: 25
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1224
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Mus Musculus
 28 <400> SEQUENCE: 1
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 30 ttatcttggt tgcagctggg ctgctgtttc tgccagtcac tgtttgcaa agtggcataa 120
 31 atgtttcaga caactcagca aagccaacct taactattaa gagttttaat ggggggtcccc 180
 32 aaaataacct tgaagaattc ccactttctg acatagaggg ctggacagga gccaccacaa 240
 33 ctataaaagc ggagtgtccc gaggacagta ttcaactct ccacgtgaat aatgctacca 300
 34 taggatacct gagaagttcc ttaagtaccc aagtgatacc tgccatctat atcctgctgt 360
 35 ttgtggttg tgtaccatcc aacatcgtga ccctgtggaa actctcctta aggaccaa 420
 36 ccacagctct ggatcatctt cacaccaacc tggccatcgc agatctcctt ttctgtgtca 480
 37 cactgccatt taagatcgcc taccatctca atggcaacaa ctgggtattt ggcgaggtca 540
 38 tgtgcgggat caccacgggc gttttctacg gcaacatgta ctgcgctatc ctgacctca 600
 39 cttgcatggg catcaaccgc tacctggcca cggctcacc tttcacatac cagaagctgc 660
 40 ccaaacgcag cttctccttg ctcatgtgtg gcatagtgtg ggtcatggtt ttcttataca 720
 41 tgctgccctt tgtcatcctg aagcaggagt accacctcgt ccactcagag atcaccacct 780
 42 gccacgatgt cgtcgacgcy tgcgagtcct catcatcctt ccgattctac tacttctgt 840
 43 ccttagcatt ctttgggttc ctcatcccg tttgtgatcat catcttctgt tacacgactc 900
 44 tcatccacaa acttaaatca aaggatcgga tatggctggg ctacatcaag gccgtcctcc 960
 45 tcatccttgt gattttcaca atttgctttg cccccacaa catcactatc gtaatccacc 1020
 46 atgccaacta ctactaccac aataccgaca gcttgactt tatgtatctt attgctctgt 1080
 47 gcctggggag cctgaatagc tgcctagatc cattccttta ctttgtcatg tcgaaagttg 1140
 48 tagatcagct taatccttag tcggcaatgg caagaccact ttagagacca aggagagata 1200
 49 tctgggaaga catacatgct tggc 1224
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 1124
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Mus Musculus
 56 <220> FEATURE:

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*"c" is at 22**"a" is at 29*

57 <221> NAME/KEY: misc feature
 58 <222> LOCATION: 22, 27, 117, 118, 119, 120, 121, 122, 123, 350, 351, 442,
 59 443, 444, 595, 596, 597, 663, 785, 859, 860, 861, 862, 863,
 60 864

61 <223> OTHER INFORMATION: n = A, T, C, or G

63 <400> SEQUENCE: 2

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 65 **caaccttaac tattaagagt tttaatgggg gtccccaaaa tacctttgaa gaattcnnnn 120**
 66 nnntacaact ctccatgtga ataatgctac catgggatac ctgagaagtt ccttaagtac 180
 67 caaagtgata cctgccatct acatcctggg gtttgtgatt ggtgtaccag cgaacatcgt 240
 68 gaccctgtgg aaactctcct caaggaccaa atccatctgt ctggtcacat ttcacaccaa 300
 69 cctggccatc gcggatctcc tttctgtgtg cacgctgccg ttttaagatcn nccaccatc 360
 70 tcaatggcaa caactgggta tttggcgagg tcatgtgccg gatcaccacg gtogttttct 420
 71 acggcaacat gtactgcgct annntcctga tctcaccctg catgggcacg aaccgctacc 480
 72 tggccacggc tcacccttct acataaccaga agctgcccac acgcagcttc tccatgctca 540
 73 tgtgtggcat ggtgtgggtc atggttttct tatacatgct gccctttgtc atcennnaag 600
 74 caggagtacc acctcgtcca ctccgagatc accacctgcc acgatgtcgt cgacgcgtgc 660
 75 gantcccat catccttccg attctactac ttctctcct tagcattctt tgggttctct 720
 76 atcccgtttg tgatcatcat cttctgttac acgactctca tccacaaact taaatcaaaa 780
 77 gatcngatat ggctgggcta catcaaggcc gtctctctca tcttgtgaa tttcaccatc 840
 78 tgcttcccc ccaccaagnn nnnngatc tgggaagacg tacatgcttg gctgacttgt 900
 79 gcatggcacc atcagctcaa tttttaattt ttttaattta atttaattta attttatgtt 960
 80 tttgagacag agcctcactg tgtagtcttg gctggcctgg ctggttctct atttagacca 1020
 81 ggtagcctt gaactcacag agatctgctt gcttctgctt cccaagtgtt gggttcaacc 1080
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84 <210> SEQ ID NO: 3

85 <211> LENGTH: 369

86 <212> TYPE: PRT

87 <213> ORGANISM: Mus Musculus

89 <400> SEQUENCE: 3

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 91 1 5 10 15
 92 Thr Val Cys Gln Ser Gly Ile Asn Val Ser Asp Asn Ser Ala Lys Pro
 93 20 25 30
 94 Thr Leu Thr Ile Lys Ser Phe Asn Gly Gly Pro Gln Asn Thr Phe Glu
 95 35 40 45
 96 Glu Phe Pro Leu Ser Asp Ile Glu Gly Trp Thr Gly Ala Thr Thr Thr
 97 50 55 60
 98 Ile Lys Ala Glu Cys Pro Glu Asp Ser Ile Ser Thr Leu His Val Asn
 99 65 70 75 80
 100 Asn Ala Thr Ile Gly Tyr Leu Arg Ser Ser Leu Ser Thr Gln Val Ile
 101 85 90 95
 102 Pro Ala Ile Tyr Ile Leu Leu Phe Val Val Gly Val Pro Ser Asn Ile
 103 100 105 110
 104 Val Thr Leu Trp Lys Leu Ser Leu Arg Thr Lys Ser Ile Ser Leu Val
 105 115 120 125
 106 Ile Phe His Thr Asn Leu Ala Ile Ala Asp Leu Leu Phe Cys Val Thr
 107 130 135 140
 108 Leu Pro Phe Lys Ile Ala Tyr His Leu Asn Gly Asn Asn Trp Val Phe

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109 145          150          155          160
110 Gly Glu Val Met Cys Arg Ile Thr Thr Val Val Phe Tyr Gly Asn Met
111          165          170          175
112 Tyr Cys Ala Ile Leu Ile Leu Thr Cys Met Gly Ile Asn Arg Tyr Leu
113          180          185          190
114 Ala Thr Ala His Pro Phe Thr Tyr Gln Lys Leu Pro Lys Arg Ser Phe
115          195          200          205
116 Ser Leu Leu Met Cys Gly Ile Val Trp Val Met Val Phe Leu Tyr Met
117          210          215          220
118 Leu Pro Phe Val Ile Leu Lys Gln Glu Tyr His Leu Val His Ser Glu
119 225          230          235          240
120 Ile Thr Thr Cys His Asp Val Val Asp Ala Cys Glu Ser Pro Ser Ser
121          245          250          255
122 Phe Arg Phe Tyr Tyr Phe Val Ser Leu Ala Phe Phe Gly Phe Leu Ile
123          260          265          270
124 Pro Phe Val Ile Ile Ile Phe Cys Tyr Thr Thr Leu Ile His Lys Leu
125          275          280          285
126 Lys Ser Lys Asp Arg Ile Trp Leu Gly Tyr Ile Lys Ala Val Leu Leu
127          290          295          300
128 Ile Leu Val Ile Phe Thr Ile Cys Phe Ala Pro Thr Asn Ile Ile Leu
129 305          310          315          320
130 Val Ile His His Ala Asn Tyr Tyr Tyr His Asn Thr Asp Ser Leu Tyr
131          325          330          335
132 Phe Met Tyr Leu Ile Ala Leu Cys Leu Gly Ser Leu Asn Ser Cys Leu
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134 Asp Pro Phe Leu Tyr Phe Val Met Ser Lys Val Val Asp Gln Leu Asn
135          355          360          365
136 Pro

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140 <210> SEQ ID NO: 4

141 <211> LENGTH: 1224

142 <212> TYPE: DNA

143 <213> ORGANISM: Homo Sapiens

145 <400> SEQUENCE: 4

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147 aaagccctca tctttgcagc tgcctggcctc ctgcttctgt tgcccacttt ttgtcagagt 120
148 ggcattggaaa atgatacaaa caacttggca aagccaacct taccatttaa gacctttcgt 180
149 ggagctcccc caaattcttt tgaagagttc cctttttctg ccttgggaagg ctggacagga 240
150 gccacgatta ctgtaaaaat taagtgcctt gaagaaagtg cttcacatct ccatgtgaaa 300
151 aatgctacca tggggtacct gaccagctcc ttaagtacta aactgatacc tgccatctac 360
152 ctctgtgtgt ttgtagttgg tgtcccgcc aatgctgtga cctgtggat gcttttcttc 420
153 aggaccagat ccatctgtac cactgtatcc tacaccaacc tggccattgc agattttctt 480
154 ttttgtgtta cattgccctt taagatagct tatcatctca atgggaacaa ctgggtattt 540
155 ggagagggtcc tgtgccgggc caccacagtc atcttctatg gcaacatgta ctgctccatt 600
156 ctgctccttg cctgcattcag catcaaccgc tacctggcca tcgtccatcc ttccacctac 660
157 cggggcctgc ccaagcacac ctatgccttg gtaacatgtg gactggtgtg ggcaacagtt 720
158 ttcttatata tgcctgcatt ttccatactg aagcaggaat attatcttgt tcagccagac 780
159 atcaccacct gccatgatgt tcacaacact tgcgagtcct catctccctt ccaactctat 840
160 tacttcatct ccttggcatt ctttggatcc ttaattccat ttgtgcttat catctactgc 900
161 tatgcagcca tcattccggac acttaattgca tacgatcata gatggttgtg gtatgttaag 960

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Output Set: N:\CRF4\03172004\I208629G.raw

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162 gcgagtctcc tcacacctgt gatttttacc atttgetttg ctccaagcaa tattattctt 1020
163 attattcacc atgctaacta ctactacaac aacactgatg gcttatattt tatatatctc 1080
164 atagctttgt gcctgggtag tcttaatagt tgcttagatc cattccttta ttttctcatg 1140
165 tcaaaaacca gaaatcactc cactgcttac ctacaaaat agtgaaatga tcttagagaa 1200
166 caaggacagc catcacagag aacg                                     1224
168 <210> SEQ ID NO: 5
169 <211> LENGTH: 1102
170 <212> TYPE: DNA
171 <213> ORGANISM: Homo Sapiens
173 <400> SEQUENCE: 5
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175 cgtggagctc ccccaaattc ttttgaagag ttccctttt ctgccttgga aggctggaca 120
176 ggagccacga ttactgtaaa aattaagtgc cctgaagaaa gtgcttcaca tctccatgtg 180
177 aaaaatgcta ccatggggta cctgaccagc tccttaagta ctaaactgat acctgccatc 240
178 tacctcctgg tgtttgtagt tgggtgcccg gccaatgctg tgaccctgtg gatgcttttc 300
179 ttcaggacca gatccatctg taccactgta ttctacacca acctggccat tgcagatttt 360
180 cttttttgtg ttacattgcc ctttaagata gcttatcatc tcaatgggaa caactgggta 420
181 tttggagagg tcctgtgccg ggccaccaca gtcacttct atggcaacat gtactgctcc 480
182 attctgctcc ttgcctgcat cagcatcaac cgctacctgg ccatcgcca tcctttcacc 540
183 taccggggcc tgcccaagca cacctatgcc ttggtaacat gtggactggt gtgggcaaca 600
184 gttttcttat atatgctgcc atttttcata ctgaagcagg aatattatct tgttcagcca 660
185 gacatcacca cctgccatga tgttcacaac acttgcgagt cctcatctcc cttccaactc 720
186 tattacttca tctccttggc attccttggg ttcttaattc catttgtgct tatcatctac 780
187 tgctatgcag ccatcatccg gacacttaat gcatacgatc atagatgggt gtggatggt 840
188 aaggcgagtc tcctcatcct tgtgatitit accatttgct ttgctccaag caatattatt 900
189 cttattattc accatgctaa ctactactac aacaacactg atggcttata ttttatatat 960
190 ctcatagctt tgtgcctggg tagtcttaat agttgcttag atccattcct ttattttctc 1020
191 atgtcaaaaa ccagaaatca ctccactgct taccttacia aatagtgaag tgatcttaga 1080
192 gaacaaggac agccatcaca ga                                     1102
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195 <211> LENGTH: 374
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo Sapiens
199 <400> SEQUENCE: 6
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201 1 5 10 15
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203 20 25 30
204 Pro Thr Leu Pro Ile Lys Thr Phe Arg Gly Ala Pro Pro Asn Ser Phe
206 35 40 45
207 Glu Glu Phe Pro Phe Ser Ala Leu Glu Gly Trp Thr Gly Ala Thr Ile
208 50 55 60
209 Thr Val Lys Ile Lys Cys Pro Glu Glu Ser Ala Ser His Leu His Val
210 65 70 75 80
211 Lys Asn Ala Thr Met Gly Tyr Leu Thr Ser Ser Leu Ser Thr Lys Leu
212 85 90 95
213 Ile Pro Ala Ile Tyr Leu Leu Val Phe Val Val Gly Val Pro Ala Asn
214 100 105 110
215 Ala Val Thr Leu Trp Met Leu Phe Phe Arg Thr Arg Ser Ile Cys Thr

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RAW SEQUENCE LISTING

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216          115          120          125
217 Thr Val Phe Tyr Thr Asn Leu Ala Ile Ala Asp Phe Leu Phe Cys Val
218          130          135          140
219 Thr Leu Pro Phe Lys Ile Ala Tyr His Leu Asn Gly Asn Asn Trp Val
220 145          150          155          160
221 Phe Gly Glu Val Leu Cys Arg Ala Thr Thr Val Ile Phe Tyr Gly Asn
222          165          170          175
223 Met Tyr Cys Ser Ile Leu Leu Leu Ala Cys Ile Ser Ile Asn Arg Tyr
224          180          185          190
225 Leu Ala Ile Val His Pro Phe Thr Tyr Arg Gly Leu Pro Lys His Thr
226          195          200          205
227 Tyr Ala Leu Val Thr Cys Gly Leu Val Trp Ala Thr Val Phe Leu Tyr
228          210          215          220
229 Met Leu Pro Phe Phe Ile Leu Lys Gln Glu Tyr Tyr Leu Val Gln Pro
230 225          230          235          240
231 Asp Ile Thr Thr Cys His Asp Val His Asn Thr Cys Glu Ser Ser Ser
232          245          250          255
233 Pro Phe Gln Leu Tyr Tyr Phe Ile Ser Leu Ala Phe Phe Gly Phe Leu
234          260          265          270
235 Ile Pro Phe Val Leu Ile Ile Tyr Cys Tyr Ala Ala Ile Ile Arg Thr
236          275          280          285
237 Leu Asn Ala Tyr Asp His Arg Trp Leu Trp Tyr Val Lys Ala Ser Leu
238          290          295          300
239 Leu Ile Leu Val Ile Phe Thr Ile Cys Phe Ala Pro Ser Asn Ile Ile
240 305          310          315          320
241 Leu Ile Ile His His Ala Asn Tyr Tyr Tyr Asn Asn Thr Asp Gly Leu
242          325          330          335
243 Tyr Phe Ile Tyr Leu Ile Ala Leu Cys Leu Gly Ser Leu Asn Ser Cys
244          340          345          350
245 Leu Asp Pro Phe Leu Tyr Phe Leu Met Ser Lys Thr Arg Asn His Ser
246          355          360          365
247 Thr Ala Tyr Leu Thr Lys
248          370
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252 <211> LENGTH: 425
253 <212> TYPE: PRT
254 <213> ORGANISM: Homo Sapiens
256 <400> SEQUENCE: 7
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259 Gly Pro Leu Leu Ser Ala Arg Thr Arg Ala Arg Arg Pro Glu Ser Lys
260          20          25          30
261 Ala Thr Asn Ala Thr Leu Asp Pro Arg Ser Phe Leu Leu Arg Asn Pro
262          35          40          45
263 Asn Asp Lys Tyr Glu Pro Phe Trp Glu Asp Glu Glu Lys Asn Glu Ser
264          50          55          60
265 Gly Leu Thr Glu Tyr Arg Leu Val Ser Ile Asn Lys Ser Ser Pro Leu
266 65          70          75          80
267 Gln Lys Gln Leu Pro Ala Phe Ile Ser Glu Asp Ala Ser Gly Tyr Leu

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 117,118,119,120,121,122,123,350,351,442,443,444,595,596,597

Seq#:2; N Pos. 663,785,859,860,861,862,863,864

Seq#:10; N Pos. 3,12,18,21,22,24,27

Seq#:11; N Pos. 6,9,12,15,21,24

Seq#:21; Xaa Pos. 1

Seq#:22; Xaa Pos. 1

VERIFICATION SUMMARYPATENT APPLICATION: **US/09/208,629G**

DATE: 03/17/2004

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Input Set : **A:\22000-20603.10.txt**Output Set: **N:\CRF4\03172004\I208629G.raw**

L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
M:341 Repeated in SeqNo=2
L:389 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:393 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:397 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:408 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:412 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:416 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:537 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:541 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:556 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:560 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0